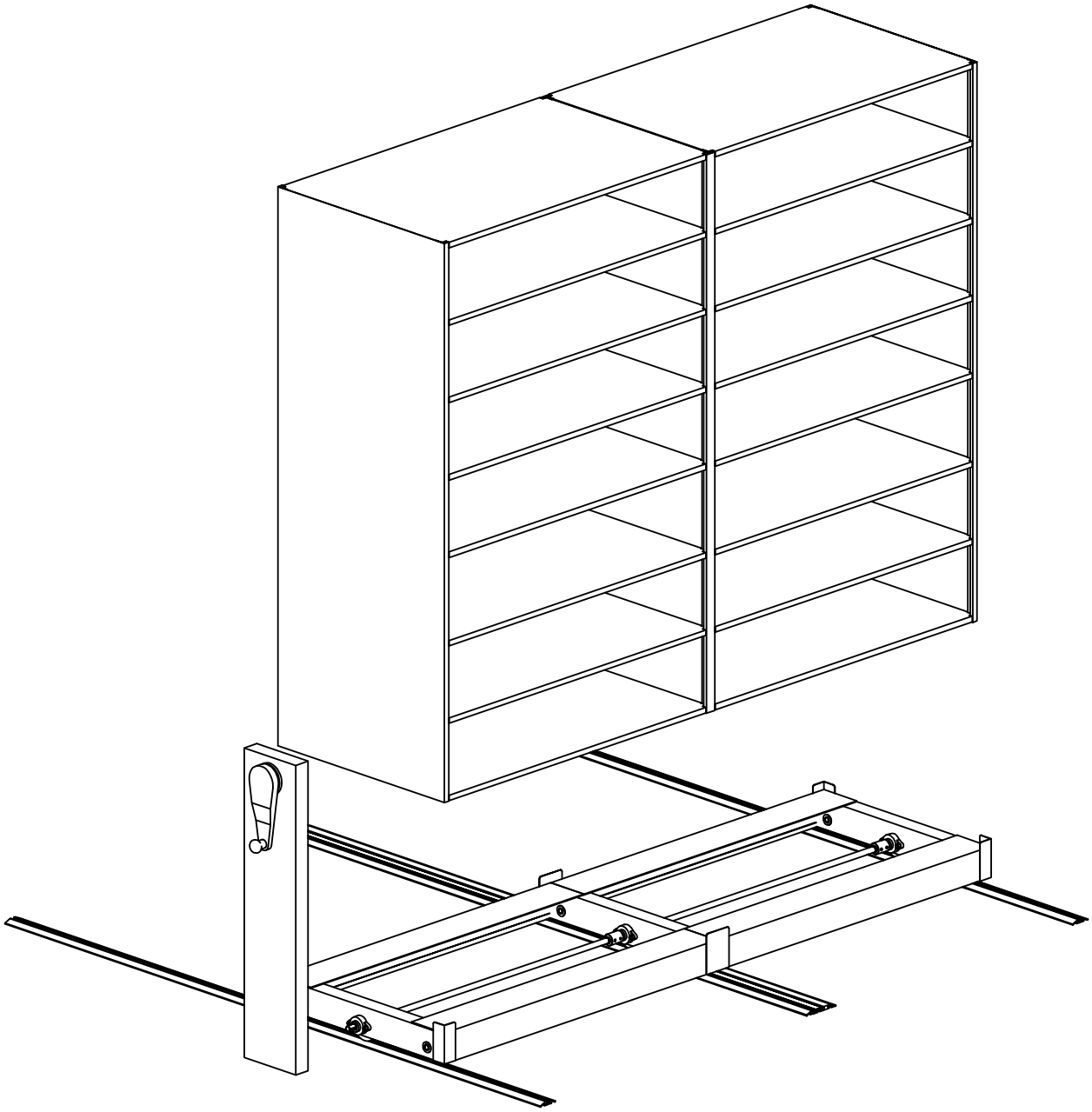
Assembly Procedures for Mobile Lite



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MOBILE LITE SYSTEM INSTALLATION

Mayline recommends the removal of all carpet and padding prior to installing Mobile Lite. We suggest that carpet be removed the length and width of each track. Product performs best when installed on concrete or tile. ***NOTE: Mayline cannot assure proper leveling if track is installed on low-pile carpet.***

* Read all instructions before attempting assembly.
* Check floor plan layout. Measure and mark floor for intended layout, preplan exact location of all units with regards to columns, lights, windows and obstructions.

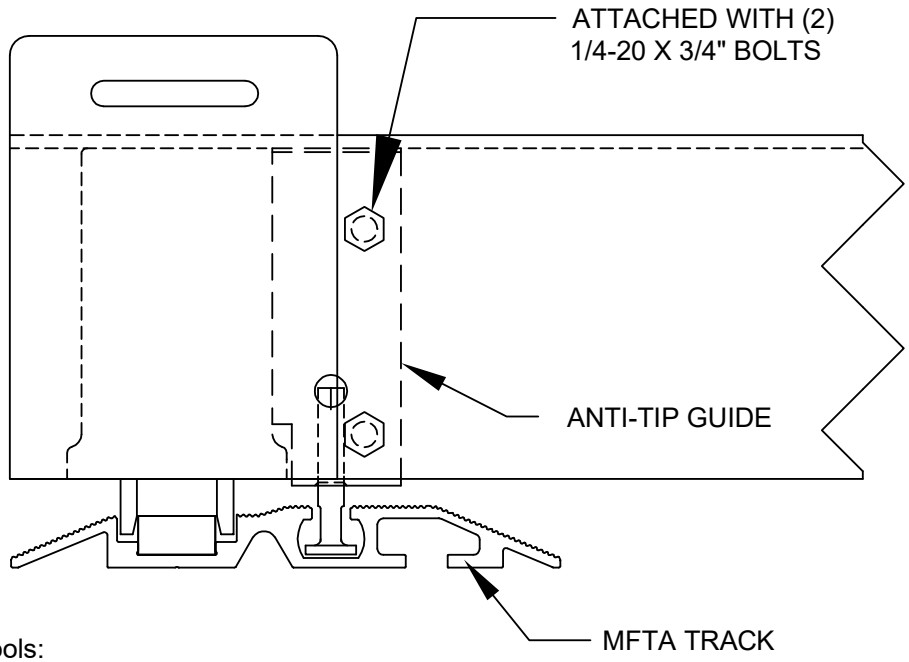
GENERAL NOTES:

1. Installation of the in-track anti-tip track begins with the floor plan layout . It is imperative for the proper operation of this system that the tracks be level, parallel and square. On a two track system, the in-track anti-tip is the rear track. On a three or more track system, the anti-tip track is always the second track from the front.

2. The carriage with the anti-tip guide is designed to be inserted into the track after the track is in the approximate location and level, but prior to completely securing it to the floor. This will eliminate the need to disassemble the guide from the carriage.

3. The carriage is shipped completely assembled, however if the anti-tip guide assembly cannot be inserted into the track it is possible to remove and reinstall the mount assembly. Care must be taken to properly place the mount tightly to the channel and angle of the carriage.

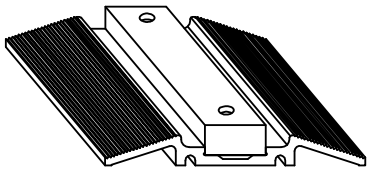
Detail of Anti-Tip Guide



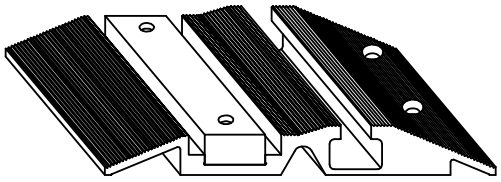
4. Required tools:
   - Hammer drill (cement drill bit provided)
   - Drill with Phillips screw adapter
   - Flat and Phillips screwdriver
   - 9/16" socket
   - 1-1/16" thin wall socket
   - 3/4" socket
   - Level
   - Chalk line
   - Measuring tape
   - #2 Phillips driver bit
   - Hammer

NOTE: Track comes with shimming material. Depending on the levelness of the floor, additional shimming may be required to level track system. Installers may have to purchase additional shimming material (Masonite) locally.

Flat Track (MFT)

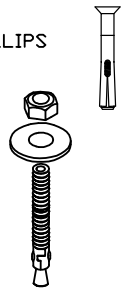


In-Track Anti-Tip Flat Track (MFTA)



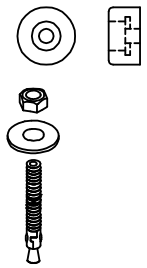
TRACK HARDWARE KIT
(PER RUN OF TRACK)

PART NUMBER	DESCRIPTION
TRA311	1/4 x 2" FLAT HEAD PHILLIPS SLEEVE ANCHOR
TRA202	HILTI TZ, SEISMIC, 3/8 x 3



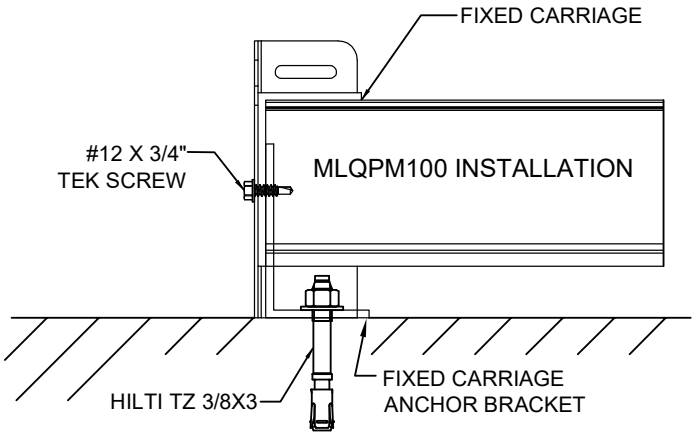
END STOP KIT

PART NUMBER	DESCRIPTION
CAR410	RUBBER BUMPER
TRA200	HILTI II, 1/4 x 3-1/4



TRACK INSTALLATION:

STEP 1.
If included: Assemble one stationary unit at the end of the track run per layout. Use stationary shelving to assist in aligning track and mobile carriage. If the stationary shelving is installed on a fixed carriage, you must install the MLQPM100 to the fixed carriage.

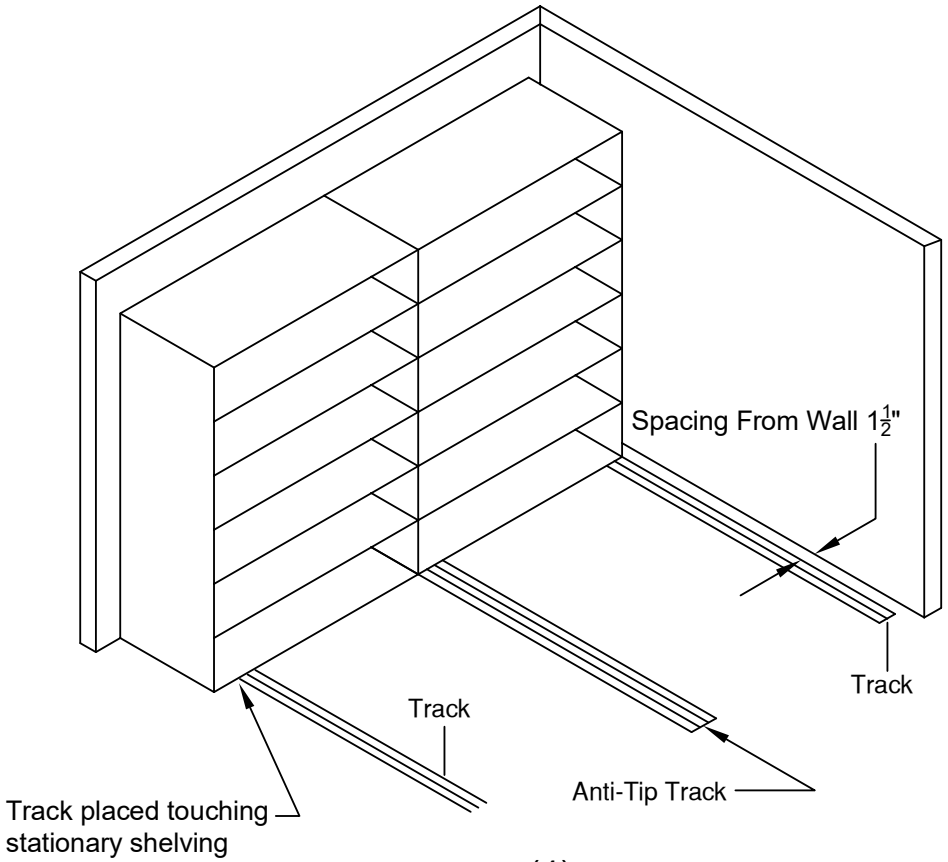


STEP 2.
Layout all track (use carriage to affirm track spacing by rolling carriage on loose track). The track closest to the wall will be no less than 1 1/2" from the rear edge of track to the wall. On a single section carriage, the In-Track AntI-Tip will be the rear track. On a two or more section carriage, the In-Track Anti-Tip will be the second track from the front. Review the layout determining where the anti-tip track will lie. Position track in place and use shims to level.

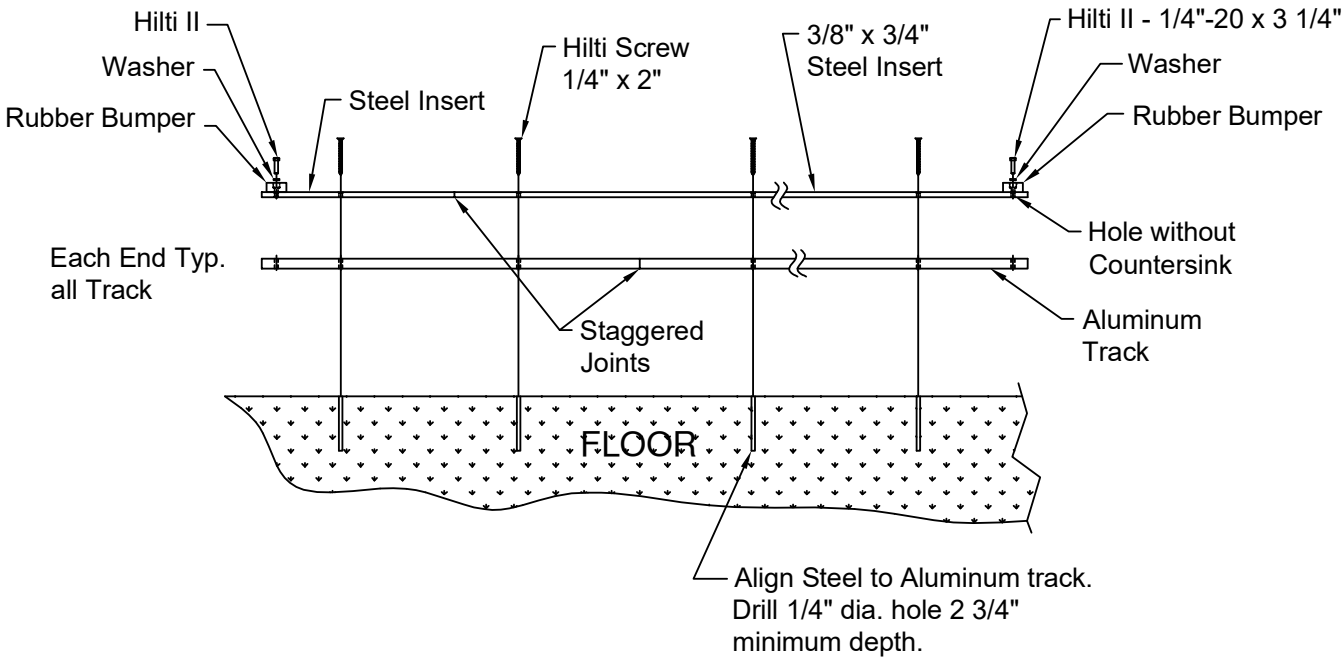
STEP 3.
Verify you will end up with 1 1/2" wall clearance on the track run when system complete.

STEP 4.
When wall spacing has been met and the carriage moves freely the length of the track run, proceed to install the anti-tip track.

SAMPLE LAYOUT:



Caution: Steel track insert and Aluminum track splices must stagger.
Note: Track has been pre-assembled and match drilled for ease of assembly.



STEP 5.
Confirm anti-tip track is parallel to the wall. Use 3/8" Hilti drill bit to drill holes in floor for the anti-tip fastening. Fasteners for the In-Track Anti-Tip are Hilti TZ's.

STEP 6.
Use the Hilti drill bit (1/4" dia.) for securing track. The Steel Insert and Aluminum track has been pre-drilled. Be sure the holes in the steel insert and the holes in the aluminum track line up. Using the track as a guide, drill through the steel and aluminum into the floor. **Carefully clean out the hole.** Hammer in the Hilti 1/4" x 2" Sleeve Anchors and tightened properly.

Note: Heads of screws must be below running surface of track. File heads of screws if necessary to ensure smooth surface.

STEP 7.
Track piece on one end may need to be drilled out to accommodate 1/4" Hilti II fastener.

STEP 8.
Maintaining careful alignment of the In-Track Anti-Tip track, drill and install mid-track Hilti KBTZ 3/8" Anchors in every available anchor point in the track. The strength of the anti-tip is in the anchors. Make sure they are tightened properly.

Note: Hole depth for Hilti Anchor must be consistent to prevent tripping hazard.

NOTE: Prior to anchoring, make sure all track is level.

STEP 9.
Once first track (the Anti-Tip track) is level and secure, the remaining tracks may be set into place. Use carriages as a guide for track placement. Measure to ensure tracks are truly level, parallel and square.

Note: Wheel channel closest to the anti-tip tab is a non-floating wheel channel.

STEP 10.
Slide one carriage on the track to determine spacing. Verify carriage wheels are centered in the channels and in the track.

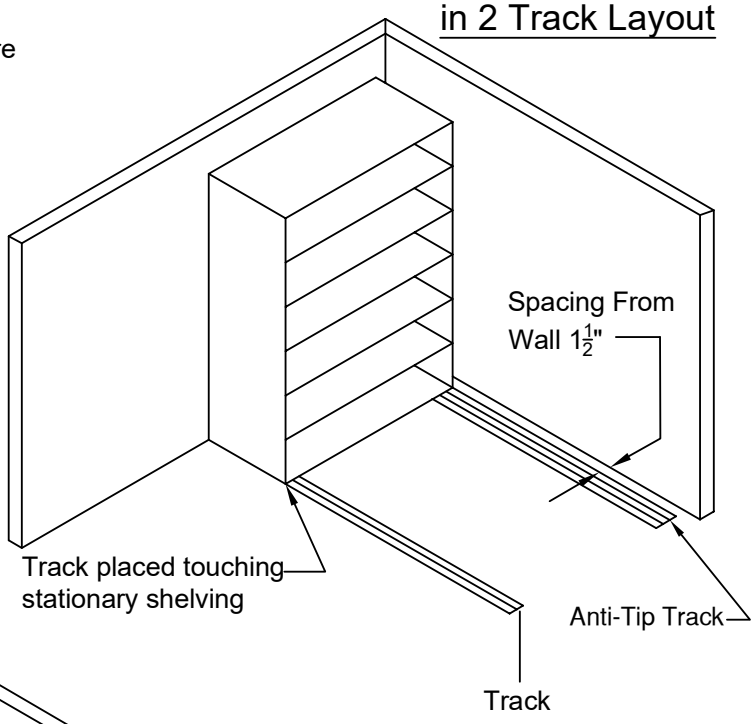
STEP 11.
The tracks must be level, parallel and square to each other to ensure proper operation. Measure each set of tracks and the entire system, corner to corner, to verify that each distance is the same.

STEP 12.
Install all end stops nearest the stationary shelving and install the balance of the carriages. **Shelving end only.**

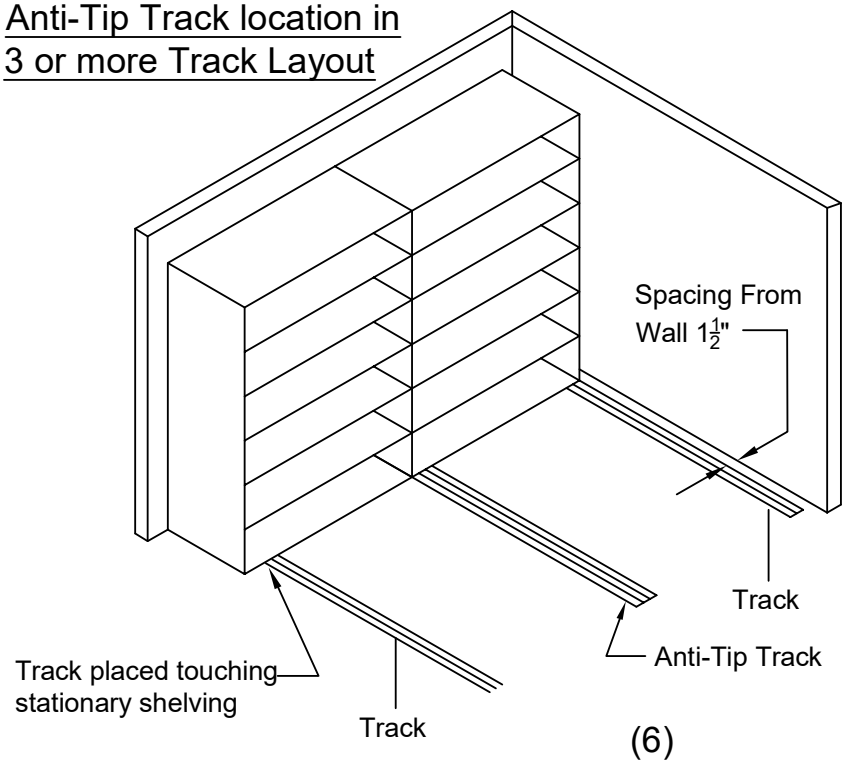
STEP 13.
Install remaining track anchors.

STEP 14.
Slide the remaining carriages on the track, verify smooth operation. Install the remaining end stops

Anti-Tip Track location in 2 Track Layout



Anti-Tip Track location in 3 or more Track Layout



Drive Box Installation:

1. Remove the cover (fig. E) from the Responsive Drive Box (RDB).

2. Slide the RDB using top two mounting holes over the two 1/2"-13 bolts (fig. B) extending from the center of the carriage. These bolts are held in place by (4) jam nuts (fig. A) which are left in position.

3. When the RDB is seated against the jam nuts (fig. A), install 1/2" washers (fig. C) and tighten the two 1/2"-13 nylon nuts (fig. D) which are in the accessory bag.

4. Attach chain to middle sprocket assembly, to the bottom sprocket assembly (front drive channel) and around the chain idler. **ONLY USE MASTER LINK** (half link not required).

5. Assemble the end shelving unit. This can be done after the RDB assembly has begun. The type of shelving used will determine how the RDB is fastened to the shelving

6. At this time secure the drive box at the top as well as the bottom. Make sure the Responsive Drive Box is square and parallel to the shelving. Drill two 1/4" holes at the top of the drive box into the 4-post upright and secure with (2) 1/4"-20 screws and nuts. The head of the screw should be on the inside of the 4-post upright to prevent interference with filing media. When the upper screws are secure and the Responsive Drive is properly positioned, you may tighten the two 1/2" nuts at the bottom (fig. D).

7. Install the cover (fig. E) using the six sheet metal screws provided (fig. F). **ATTACH E-CLIP TO HANDLE SHAFT**.

8. Insert square key into key slot on handle shaft.

9. Attach 3/4" E-Clip (fig P) over square key in slot on shaft. Note: the tab on the interior of E-Clip should rest next to and NOT on top of square key, so that E-Clip snaps firmly into place on shaft.

10. Install (fig N, fig O) detent locking plate, using two 1/4-20 Countersunk screws.

11. Install the handle (fig K) using the 3/16" x 3/16" x 1/2" square key (fig J). Install the 1-1/16" Jam Nut (fig L). Tighten the jam nut (fig L) with the 1-1/16" thin wall socket (not provided). **BE SURE BACK OF HANDLE IS SEATED AGAINST THE E-CLIP ON THE SHAFT**. Install the black dome plug (fig M).

NOTE: The black dome plug (fig. M) is notched so that it will only fit one way into handle. Line up black dome cut away with detent in handle. DO NOT force black dome into place.

12. The Responsive Drive Installation is complete and you may now install the remainder of the shelving. Install shelving per manufacture's spec's. Secure shelving through corner / center plates. TEK screws are found in accessory box.

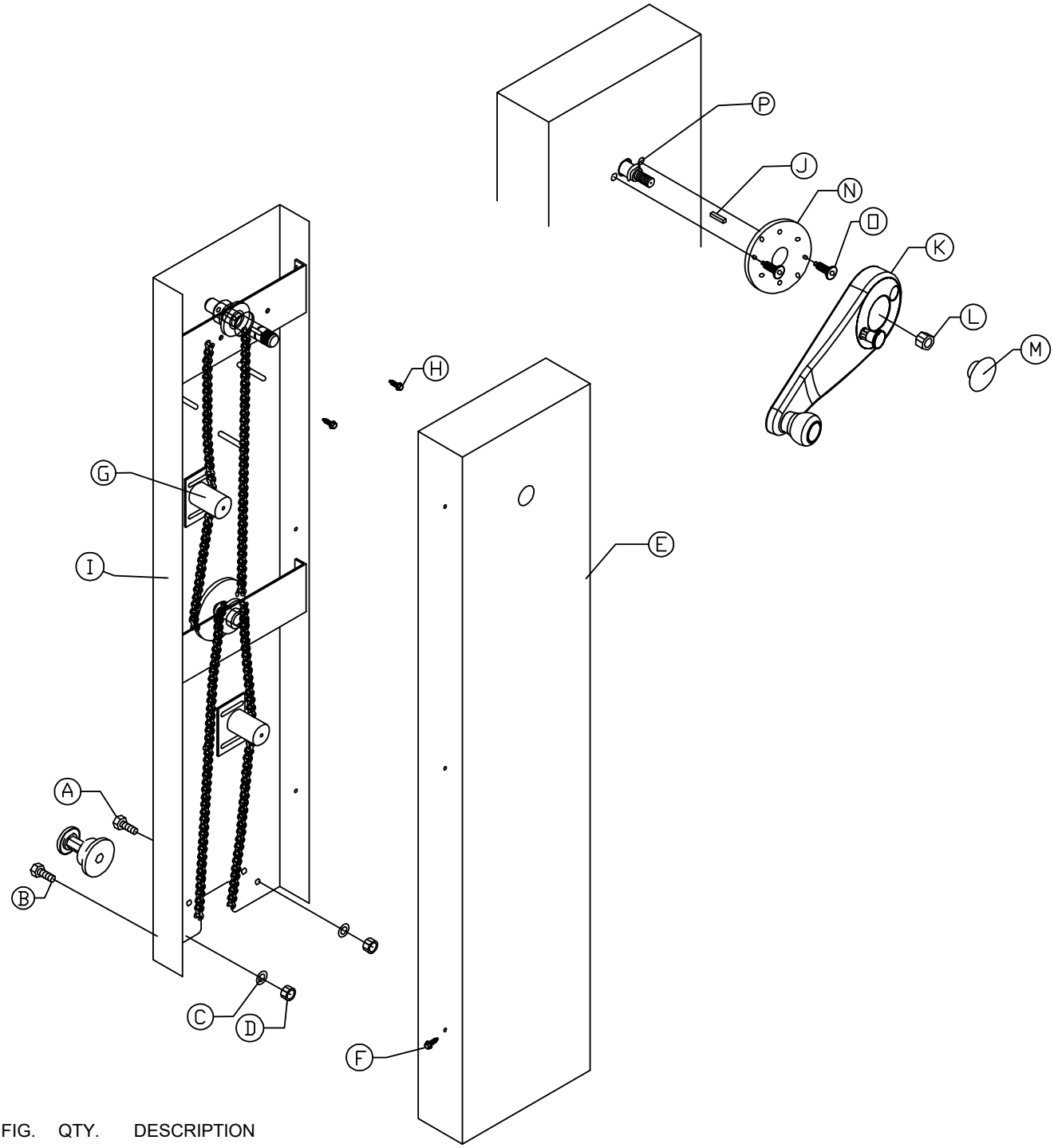


FIG.	QTY.	DESCRIPTION
A	4	1/2-13 NUT (INSTALLED ON CARRIAGE)
B	2	1/2-13 HEX BOLT (INSTALLED ON CARRIAGE)
C	2	1/2 INCH FLAT WASHER
D	2	1/2-13 NYLOCK NUT
E	1	COVER
F	6	COLOR COORDINATED S/M SCREW
G	2	CHAIN TENSIONER
H		MISC MOUNTING SCREWS (IN ACC. BAG)
I	1	MECHANICAL ASSIST HOUSING
J	1	3/16" SQUARE KEY FOR HANDLE
K	1	HANDLE ASSEMBLY
L	1	3/4 INCH NYLOCK NUT
M	1	DOME PLUG
N	1	DETENT LOCKING PLATE
O	2	1/4-20 COUNTERSINK SCREWS
P	1	3/4" E-CLIP